



Montgomery County Department of Permitting Services  
255 Rockville Pike  
Rockville, MD 20850  
240-777-6300



**Energy Conservation Compliance Form for Conditioned  
Sunrooms Additions  
less than 500 square feet with more than 40% glazing**

I, the undersigned, hereby certify that the sunroom addition approved under Building Permit No. \_\_\_\_\_ complies with the following requirements:

- It maintains thermal isolation,
- It is not used as kitchen or sleeping room,
- It is served by a separate heating or cooling system, or it is thermostatically controlled as a separate zone of the existing system,
- It has a maximum fenestration *U*-factor of 0.50 ,
- It has minimum ceiling *R*-value of R-19,
- It has minimum wall *R*-value of R-13, and
- When applicable, it meets the other required *R*-values as shown in Table 502.2.5 of the 2003 International Energy Conservation Code (IECC)

**TABLE 502.2.5 (2003 IECC)  
PRESCRIPTIVE ENVELOPE COMPONENT CRITERIA  
ADDITIONS TO AND REPLACEMENT WINDOWS FOR EXISTING  
DETACHED ONE- AND TWO-FAMILY DWELLINGS**

<b>MAXIMUM</b>	<b>MINIMUM</b>					
<b>Fenestration U-factor (e)</b>	<b>Ceiling R-value (a)(e)</b>	<b>Wall R-value (e)</b>	<b>Floor R-value</b>	<b>Basement Wall R-value (b)</b>	<b>Slab perimeter R-value And depth (c)</b>	<b>Crawl space wall R-value (d)</b>
0.4	R-38	R-18	R-21	R-10	R-9, 2 ft	R-19

For SI: 1 foot = 304.8 mm.

- “Ceiling *R*-value” shall be required for flat or inclined (cathedral) ceilings. Floors over outside air shall meet “Ceiling *R*-value” requirements.
- Basement wall insulation shall be installed in accordance with Section 502.2.1.6.
- Slab perimeter insulation shall be installed in accordance with Section 502.2.1.4. An additional R-2 shall be added to “Slab perimeter *R*-value” in the table if the slab is heated.
- “Crawl space wall *R*-value” shall apply to unventilated crawl spaces only. Crawl space insulation shall be installed in accordance with Section 502.2.1.5.

**e. Sunroom additions shall be required to have a maximum fenestration *U*-factor of 0.50 in locations with 2,000 - 12,999 HDD. In locations with 0-5,999 HDD, the minimum ceiling *R*-value shall be R-19 and the minimum wall *R*-value shall be R-13. In locations with 6,000 - 12,999 HDD, the minimum ceiling *R*-value shall be R-24 and the minimum wall *R*-value shall be R-13.**

Furthermore, the sunroom addition meets the ventilation requirements for the interior space as required by Section R-303 of the 2003 International Residential Code (IRC).

Signature\_\_\_\_\_

Date\_\_\_\_\_